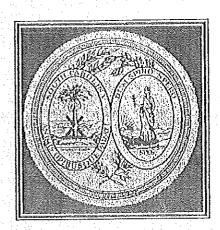
PUBLIC SERVICE COMMISSION



of SOUTH CAROLINA

COMMISSION STAFF REPORT

Duke Power Company

Docket No. 2002-3-E

Adjustment of Base Rates
For Fuel Costs

April 2001 - March 2002 (Actual)

(April 2002 and May 2002 Estimated)

THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA STAFF REPORT

Of the

AUDIT DEPARTMENT

And

UTILITIES DEPARTMENT



DOCKET NO. 2002-3-E
DUKE POWER COMPANY

REPORT OF THE AUDIT DEPARTMENT THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

DOCKET NO. 2002-3-E
DUKE POWER COMPANY

REPORT OF THE AUDIT DEPARTMENT

THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

DOCKET NO. 2002-3-E

DUKE POWER COMPANY

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REPORT OF THE AUDIT DEPARTMENT

DOCKET NO. 2002-3-E

DUKE POWER COMPANY

ANALYSIS

The Audit Department Staff has made a study of the books and records of Duke Power Company, Charlotte, North Carolina, relative to the Commission's requirement under Docket No. 2002-3-E, that periodic hearings be conducted before the Commission concerning the Adjustment of Base Rates for Fuel Costs.

CURRENT REVIEW PERIOD

The current investigation of Duke Power Company's Retail Fuel Adjustment Clause covers the period June 2001 through May 2002. Since the fuel hearing is scheduled for May 2002, Staff's audit covered through the month of March 2002, with the months of April and May 2002 estimated. In the last fuel hearing, fuel figures for April and May 2001 were estimated, therefore, Staff reviewed Duke's books and records for the period April 1, 2001 through March 31, 2002. The under-recovery amount for April 2002 and the under-recovery amount for May 2002 were estimated for the purpose of adjusting base rates effective June 1, 2002. The April and May 2002 estimates will be trued-up at Duke's next hearing after the costs are examined.

SCOPE OF STUDY

The Commission's Audit Department's examination consisted of the following:

1. Analysis of Fuel Stock - Account # 151

(Net) amount used in the Fuel Adjustment Clause.

Staff obtained the details of purchases and sales made by Duke from and to other electric utilities. Staff verified all individual transactions of purchased and interchanged power to source documents. Staff verified amounts that are being used in computing total fuel costs for each month. These details allowed the Staff to identify fuel costs that were being passed through the clause in computing the factor above or below the base for each period.

VERIFICATION OF KWH SALES

The Audit Department Staff reconciled the KWH sales as reported to the Commission through monthly fuel adjustment filings to the Company's monthly Financial and Operating Reports.

COMPARISON OF COAL COSTS

Staff prepared exhibits from Duke's books and records reflecting coal costs during the review period. Specifically, these exhibits are as follows:

Exhibit A - Coal Cost Statistics

Exhibit B - Received Coal-Cost Per Ton Comparison

With reference to Exhibit A, Coal Cost Statistics, Staff has shown a detailed analysis of spot and contract coal for the twelve (12) - month period April 2001 through March 2002. The detail gives emphasis to tons purchased, percentage of tons purchased, cost per ton delivered, total delivered cost, and cost per MBTU.

In Exhibit B, Received Coal-Cost Per Ton Comparison, Staff reflects the overall cost per ton of coal by month for the three major electric utilities regulated by this Commission.

ANALYSIS OF SPOT COAL PURCHASING PROCEDURES

The Audit Staff examined the procedure followed by the Company's Fuel Purchasing Department for obtaining and accepting offers on spot coal. To achieve this, Staff chose two months of the audit period that had received large amounts of spot coal. Staff examined spot coal proposals received in the months of May 2001 and November 2001.

The Fuel Purchasing Department maintains a list of coal vendors from whom proposals are received monthly. These coal vendors send their proposals to Duke via Spot Coal Sales Proposal Data Sheets, with each proposal or offer on a separate sheet.

If the Company decides to purchase spot coal in a given month, then the proposals are evaluated. For evaluation purposes, the spot coal sales proposals are compiled on an Evaluation of Spot Bids computer run and are ranked by the cost per MBTU. The purchasing agents consider at least three factors when they agree to the spot coal offers: (a) the price per ton (including freight), (b) the BTU, ash, and sulfur content of the coal offered, and (c) the past experience with the supplier and the coal obtained from the producer. The Company's purchasing agents determine the current market price for spot coal prior to negotiating with the coal vendors. In this way, the agents determine the limits they should stay within when bargaining for coal. The agents bargain over the price of the coal, and either accept (the original offer or a counter offer) or reject the coal vendor's offer.

Upon acceptance of an offer, the Fuel Purchasing Department prepares a purchase order, a copy of which is mailed to the coal vendor. When the coal is received at the plant, the Company analyzes the coal for BTU, ash, and sulfur content and prepares a coal analysis report which is sent to the Fuel Purchasing Department. The Fuel Purchasing Department determines

the appropriate premium or penalty on the coal, and the results are forwarded to the Company's Accounting Section, which in turn, adds a premium or assesses a penalty to the total amount due to the coal vendor.

The Fuel Purchasing Department closely monitors the quality of coal shipped by the various producers. If a certain producer renders poor performance, the purchasing agent records it and considers this when analyzing any future offers from the supplier.

As mentioned previously, Staff examined spot coal offers received for the months of May 2001 and November 2001. Staff obtained the Company's Evaluation of Spot Bids computer runs for the aforementioned months. The Evaluation of Spot Bids run is listed alphabetically by plant, with each plant's spot coal offers ranked by cost per MBTU. Also included on the Evaluation of Spot Bids run is the name of the coal company, the name of the producer, number of tons offered, coal specifications, the number of tons purchased, the plant to which the coal was shipped, or a reason for rejecting the offer.

During May 2001, 8 offers were submitted (per offer sheets) and Duke accepted 12 orders (several plant orders per offer sheet). During November 2001, 11 offers were submitted (per offer sheets) and Duke accepted 7 orders.

RECOMPUTATION OF TRUE-UP FOR (OVER) UNDER-RECOVERED FUEL COSTS

Staff analyzed the cumulative over-recovery of fuel costs that the Company had incurred for the period April 1, 2001 through March 31, 2002 totaling \$7,446,417. Staff added the projected under-recovery of \$405,518 for the month of April 2002 and the projected under-recovery of \$2,823,060 for May 2002 to arrive at a cumulative over-recovery of \$4,217,839. The Company's cumulative over-recovery as of March 2002 and cumulative over-

recovery as of May 2002 differs from Staff's. Staff's Purchased Power figures for June 2001 and October 2001 differ from the Company's figures (November 2001 also slightly differed, but when compared on a rounded basis, there was no difference to note). Staff's figures, per Staff's report, reflect calculation adjustments made to Purchased Power Costs for the aforementioned months, based on Staff's review of Purchased Power system operations reports and invoices. Staff's Exhibit G, S.C. Retail Comparison of Fuel Revenues and Expenses, which consist of two pages, provides details of Staff's cumulative over-recovery balance.

As stated in Duke Power Company's Adjustment for Fuel Costs, fuel costs will be included in base rates to the extent determined reasonable and proper by the Commission. Accordingly, the Commission should consider the over-recovery of \$4,217,839 along with the anticipated fuel costs for the period June 1, 2002 to May 31, 2003, for the purpose of determining the base cost of fuel in rates effective June 1, 2002.

This over-recovery figure of \$4,217,839 was provided to the Commission's Utilities Department.

RESULTS OF EXAMINATION

Based on the Audit Staff's examination of Duke Power Company's books and records, and the utilization of the fuel cost-recovery mechanism as directed by this Commission, the Audit Staff is of the opinion that the Company has complied with the directives (per the Fuel Adjustment Clause) of the Commission.

EXHIBITS

Exhibits relative to this report are identified as follows:

EXHIBIT A: COAL COST STATISTICS

In Exhibit A, Coal Cost Statistics, Staff compares spot, contract and total coal received for the months of April 2001 through March 2002. The comparison is made in the following areas:

- 1. Tons Purchased
- 2. Percentage of Total Tons Purchased
- 3. Received Cost Per Ton
- 4. Total Received Cost
- 5. Cost Per MBTU

EXHIBIT B: RECEIVED COAL-COST PER TON COMPARISON

In Exhibit B, Staff has shown for comparison purposes, the freight cost per ton, mine cost per ton, the total cost per ton, and the cost per MBTU of received coal for Duke Power Company, Carolina Power & Light Company, and South Carolina Electric & Gas Company. The costs per ton shown for the period April 2001 through March 2002 included both spot and contract purchases, and were extracted from required filings for Carolina Power & Light Company, South Carolina Electric & Gas Company, and from Duke Power Company.

EXHIBIT C: DETAIL OF NUCLEAR COST

In Exhibit C, Staff has shown in detail, the two components in total nuclear costs. These components are as follows:

- 1. Burn-up Cost
- 2. Disposal Cost

EXHIBIT D: TOTAL BURNED COST (FOSSIL AND NUCLEAR)

This exhibit reflects the dollar amounts of burned costs, including emission allowance expenses, and the percentage of the Total Burned Costs for fossil and nuclear fuel by months from April 2001 through March 2002.

EXHIBIT E: COST OF FUEL

In Exhibit E, Staff has computed the total fuel cost applicable to the factor computation.

There are three (3) components used in arriving at this cost. Those components are as follows:

- 1. Cost of Fuel Burned...This amount is the burned cost of all fossil and nuclear fuel during the period. A detailed breakdown between coal (including emission allowance expenses), oil, gas and nuclear fuel can be seen in Exhibit D.
- 2. Purchase and Interchange Power Fuel Cost... This amount is the monthly KWH's delivered to or received by one electric utility system (and/or power marketer) from another.
- 3. Fuel Cost Recovered through Intersystem Sales... This amount is the fuel-related cost on KWH's sold during the period to Yadkin, Inc., other electric utilities and /or power marketers.

Total fuel cost applicable to the factor is computed by adding the cost of fuel burned to purchased power and interchange power fuel cost. This amount is then reduced by fuel associated with intersystem sales.

EXHIBIT F: FACTOR COMPUTATION

Staff has computed the Fuel Cost Adjustment Factor by month beginning with April 2001 and going through March 2002. In computing this factor, total fuel cost applicable to the Fuel

Adjustment Clause is divided by total system sales, excluding intersystem sales. This results in fuel cost per KWH. The fuel cost per KWH is then compared to the base cost per KWH as ordered by the Commission. This variance is reflected as the monthly fuel cost adjustment factor.

EXHIBIT G: S.C. RETAIL COMPARISON OF FUEL REVENUES AND EXPENSES

Shown in this exhibit is the computation of the cumulative over-recovery at May 31, 2002.

DUKE POWER COMPANY COAL COST STATISTICS APRIL 2001 - MARCH 2002

SPOT

		SPUI			
	TONG PROFILED	PEDOCHTAGE	COST/TON	TOTAL RECEIVED	Ć II S D T I I
<u>MONTH</u>	TONS RECEIVED	PERCENTAGE	RECEIVED	COST	\$/MBTU
4 64	TONS	%	\$	\$	\$
Apr-01	547,095.85	33.48%	43.78	23,950,950.76	1.7830
May-01	503,696.05	31.00%	45.09	22,712,183.85	1.8311 1.7658
Jun-01	449,154.70	31.27%	43.46	19,518,704.21	
Jul-01	514,463.80	34.79%	53,22	27,382,177.60	2.1881
Aug-01	425,397.05	28.75%	49.57	21,087,017.88	2.0346
Sep-01	519,858.15	32.01%	56.16	29,196,211.36	2.2969
Oct-01	448,995.85	29.13%	51.12	22,951,287.85	2.0828
Nov-01	474,708.75	27.75%	45,67	21,681,078.99	1.8505
Dec-01	347,422.75	22.67%	48.40	16,815,988.66	1.9954
Jan-02	106,845.25	9.04%	44.55	4,759,783.95	1.8160
Feb-02	59,235.35	4.62%	50.27	2,977,583.05	2.0008
Mar-02	30,845.00	2.55%	46.86	141,100.91	1.9283
Totals (4/01 - 3/02)	4,427,718.55	=	:	213,174,069.07	
		CONTRA	СТ		
			COST/TON	TOTAL RECEIVED	#15 = m == 1 1
<u>MONTH</u>	TONS RECEIVED	PERCENTAGE	RECEIVED	COST	\$/MBTU
	TONS	%	\$	\$	\$
Apr-01	1,086,995.80	66.52%	35.68	38,778,693.52	1.4427
May-01	1,120,919.20	69.00%	35.81	40,143,985.53	1.4497
Jun-01	987,159.75	68.73%	37.97	37,478,560.92	1.5493
Jul-01	964,308.95	65.21%	37.28	35,947,509.82	1.5328
Aug-01	1,054,121.45	71.25%	36.36	38,328,748.97	1.4929
Sep-01	1,103,961.30	67.99%	36.09	39,845,917.73	1.4857
Oct-01	1,092,243.35	70.87%	35.81	39,110,405.03	1.4754
Nov-01	1,236,155.20	72.25%	35.56	43,963,274.10	1.4544
Dec-01	1,184,922.25	77.33%	35.26	41,774,707.28	1.4512
Jan-02	1,075,445.60	90.96%	41.30	44,416,324.05	1.6894
Feb-02	1,223,289.00	95.38%	41.43	50,686,713.21	1.6752
Mar-02	1,180,582.10	97.45%	40.40	47,700,148.59	1.6469
Totals (4/01 - 3/02)	13,310,103.95	=	:	498,174,988.75	
		COMBINE	∃D		
MONTH	TONS RECEIVED	PERCENTAGE	COST/TON RECEIVED	TOTAL RECEIVED <u>COST</u>	\$/MBTU
	TONS	%	\$	\$	\$
Apr-01	1,634,091.65	100.00%	38.39	62,729,644.28	1.5561
May-01	1,624,615.25	100.00%	38.69	62,856,169.38	1.5677
Jun-01	1,436,314.45	100.00%	39.68	56,997,265.13	1.6172
Jul-01	1,478,772.75	100.00%	42.83	63,329,687.42	1.7608
Aug-01	1,479,518.50	100.00%	40.16	59,415,766.85	1.6480
Sep-01	1,623,819.45	100.00%	42,52	69,042,129.09	1.7465
Oct-01	1,541,239.20	100.00%	40.27	62,061,692.88	1.6537
Nov-01	1,710,863.95	100.00%	38.37	65,644,353.09	1.5650
Dec-01	1,532,345.00	100.00%	38.24	58,590,695.94	1.5727
Jan-02	1,182,290.85	100.00%	41.59	49,176,108.00	1.7014
Feb-02	1,282,524.35	100.00%	41.84	53,664,296.26	1.6918
Mar-02	1,211,427.10	100.00%	39.49	47,841,249.50	1.6040
Totals (4/01- 3/02)	17,737,822.50	•		711,349,057.82	
		- -10-	•		

DUKE POWER COMPANY RECEIVED COAL-COST PER TON COMPARISON APRIL 2001 - MARCH 2002

DUKE POWER COM	/IPANY
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	DOK	L I OWLI COI	111 70111	
	INVOICE	FREIGHT	<u>TOTAL</u>	
	COST PER	COST PER	COST PER	COST PER
MONTH	TON	TON	<u>TON</u>	<u>MBTU</u>
	\$	\$	\$	\$
Apr-01	28.01	10.38	38.39	1.5561
May-01	28.20	10.49	38.69	1.5677
Jun-01	29.00	10.68	39.68	1.6172
Jul-01	32.31	10.52	42.83	1.7608
Aug-01	29.77	10.39	40.16	1.6480
Sep-01	32.14	10.38	42.52	1.7465
Oct-01	29.54	10.73	40.27	1.6537
Nov-01	28.05	10.32	38.37	1.5650
Dec-01	27.95	10.29	38.24	1.5727
Jan-02	27.03	14.56	41.59	1.7014
Feb-02	26.27	15.57	41.84	1.6918
Mar-02	24.99	14.50	39.49	1.6040

CAROLINA POWER & LIGHT COMPANY

	INVOICE	<u>FREIGHT</u>	<u>TOTAL</u>	
	COST PER	COST PER	COST PER	COST PER
<u>MONTH</u>	TON	<u>TON</u>	<u>TON</u>	<u>MBTU</u>
	\$	\$	\$	\$
Apr-01	31.83	11.82	43.65	1.7541
May-01	30.91	11.65	42.56	1.7160
Jun-01	30.74	11.74	42.48	1.7168
Jul-01	32.73	11.66	44.39	1.7839
Aug-01	32.47	11.90	44.37	1.7978
Sep-01	31.83	11.93	43.76	1.7731
Oct-01	32.39	11.76	44.15	1.7799
Nov-01	31.94	11.68	43.62	1.7600
Dec-01	33.39	11.65	45.04	1.8082
Jan-02	32.83	11.33	44.16	1.7911
Feb-02	34.77	11.37	46.14	1.8411
Mar-02	33.58	11.45	45.03	1.8282

SOUTH CAROLINA ELECTRIC & GAS COMPANY

	INVOICE	FREIGHT	TOTAL -	
	COST PER	COST PER	COST PER	COST PER
MONTH	TON	TON	<u>TON</u>	<u>MBTU</u>
	\$	\$	\$	\$
Apr-01	25.87	12.43	38.30	1.5031
May-01	27.26	12.17	39.43	1.5405
Jun-01	27.61	12.93	40.54	1.5919
Jul-01	27.42	12.59	40.01	1.5712
Aug-01	27.31	12.53	39.84	1.5738
Sep-01	27.56	12.79	40.35	1.5986
Oct-01	28.65	12.30	40.95	1.6259
Nov-01	29.89	12.51	42.40	1.6827
Dec-01	30.04	11.99	42.03	1.6612
Jan-02	30.08	12.43	42.51	1.6851
Feb-02	30.24	12.35	42.59	1.6652
Mar-02	29.89	12.00	41.89	1.6391

AUDIT EXHIBIT C

DUKE POWER COMPANY DETAIL OF NUCLEAR COST APRIL 2001 - MARCH 2002

MONTH	BURN-UP COST	DISPOSAL COST	TOTAL NUCLEAR COST
<u>,</u>	\$	\$	\$
Apr-01	8,141,065	2,458,270	10,599,335
May-01	9,972,734	2,933,131	12,905,865
Jun-01	11,511,850	3,447,452	14,959,302
Jul-01	12,146,969	3,459,357	15,606,326
Aug-01	12,518,699	3,515,909	16,034,608
Sep-01	10,721,350	3,198,089	13,919,439
Oct-01	11,583,810	3,481,538	15,065,348
Nov-01	10,332,241	3,073,540	13,405,781
Dec-01	10,754,783	3,276,756	14,031,539
Jan-02	11,693,553	3,620,665	15,314,218
Feb-02	10,295,477	3,103,806	13,399,283
Mar-02	8,670,977	2,616,740	11,287,717
Total	128,343,508	38,185,253	166,528,761

DUKE POWER COMPANY TOTAL BURNED COST (FOSSIL AND NUCLEAR) APRIL 2001 - MARCH 2002

TOTAL BURNED COST												4,	9
PERCENT	%	16.84%	19.87%	20.79%	18.81%	17.06%	19,75%	23.61%	24.88%	24.62%	24.52%	24.04%	16.53%
NUCLEAR													11,287,717
PERCENT	%	0.88%	1.66%	(1.21%)	0.65%	1.69%	0.31%	0.11%	0.13%	(.13%)	0.03%	0.00%	0.00%
GAS	()	551,780	1,080,477	(869,289)	536,059	1,591,256	218,371	73,069	70,881	(72,566)	16,255	1,549	1,720
PERCENT	%	2.07%	1.08%	0.80%	%98 .0	0.56%	%9 /.0	0.78%	0.83%	0.72%	0.73%	1.28%	2.47%
OIL .	ss.	3,193,307	702,480	572,863	714,807	519,386	533,454	495,722	445,395	409,369	454,059	714,197	1,690,639
PERCENT	%	77.21%	77.39%	79.62%	49.68 %	80.69%	79.18%	75.50%	74.16%	74.79%	74.72%	74.68%	81.00%
COAL (1)	₩	48,603,305	50,262,356	57,275,769	66,118,342	75,838,179	55,817,565	48,184,856	39,964,410	42,615,457	46,657,712	41,635,221	55,318,592
MONTH		Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Oct-01	Nov-01	Dec-01	Jan-02	Feb-02	Mar-02

(1) Includes Emission Allowance Expense

AUDIT EXHIBIT E

DUKE POWER COMPANY COST OF FUEL APRIL 2001 - MARCH 2002

<u>MONTH</u>	TOTAL COST OF FUEL BURNED \$	PURCHASED AND INTERCHANGE POWER FUEL COST	FUEL COST RECOVERED INTERSYSTEM SALES \$	TOTAL FUEL COST \$
Apr-01	62,947,727	7,430,519	(8,385,365)	61,992,881
May-01	64,951,178	4,474,081	(7,847,879)	61,577,380
Jun-01	71,938,645	2,612,245	(9,260,338)	65,290,552
Jul-01	82,975,534	5,048,927	(14,658,153)	73,366,308
Aug-01	93,983,429	8,902,591	(14,960,816)	87,925,204
Sep-01	70,488,829	776,172	(8,032,707)	63,232,294
Oct-01	63,818,995	1,636,105	(9,669,282)	55,785,818
Nov-01	53,886,467	2,820,652	(5,253,624)	51,453,495
Dec-01	56,983,799	1,582,002	(3,959,732)	54,606,069
Jan-02	62,442,244	2,498,942	(6,950,059)	57,991,127
Feb-02	55,750,250	2,954,792	(6,079,351)	52,625,691
Mar-02	68,298,668	4,343,579	(10,803,530)	61,838,717
Total	808,465,765	45,080,607	(105,860,836)	747,685,536

AUDIT EXHIBIT F

DUKE POWER COMPANY FACTOR COMPUTATION APRIL 2001 - MARCH 2002

		TOTAL SYSTEM		BASE COST	
		SALES EXCLUDING	FUEL COST	PER KWH	<u>FUEL</u>
	TOTAL FUEL	<u>INTERSYSTEM</u>	PER KWH	INCLUDED IN	<u>ADJUSTMENTS</u>
<u>MONTH</u>	<u>COSTS</u>	<u>SALES</u>	<u>SALES</u>	RATES	PER KWH
	\$	KWH	\$/KWH	\$/KWH	\$/KWH
Apr-01	61,992,881	6,052,370,000	0.010243	0.009500	0.000743
May-01	61,577,380	5,716,693,000	0.010772	0.009500	0.001272
Jun-01	65,290,552	6,236,583,000	0.010469	0.009500	0.000969
Jul-01	73,366,308	6,730,695,000	0.010900	0.009500	0.001400
Aug-01	87,925,204	7,316,466,000	0.012017	0.009500	0.002517
Sep-01	63,232,294	6,860,542,000	0.009217	0.009500	(0.000283)
Oct-01	55,785,818	5,744,684,000	0.009711	0.009500	0.000211
Nov-01	51,453,495	5,612,567,000	0.009168	0.009500	(0.000332)
Dec-01	54,606,069	5,501,707,000	0.009925	0.009500	0.000425
Jan-02	57,991,127	6,395,497,000	0.009067	0.009500	(0.000433)
Feb-02	52,625,691	6,075,867,000	0.008661	0.009500	(0.000839)
Mar-02	61,838,717	5,648,271,000	0.010948	0.009500	0.001448

Duke Power Company
S.C. Retail Comparison of Fuel Revenues & Expenses
April 2001 - May 2002

			ACTUAL	H.		
Description	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01
Fossil Fuel	52,348,392	52,045,313	56,979,343	67,369,208	77,948,821	56,569,390
Nuclear Fuel	10,599,335	12,905,865	14,959,302	15,606,326	16,034,608	13,919,439
Purchased Power (1)	7,430,519	4,474,081	2,612,245	5,048,927	8,902,591	776,172
Subtotal	70,378,246	69,425,259	74,550,890	88,024,461	102,886,020	71,265,001
Less: Fuel Cost Recovered		7 0 4 1 0 7 0	0 200	24 PHO 45	970 000	000
Fuel Cost	61.992.881	61.577.380	65.290.552	73.366.308	87 925 204	63 232 294
Total System KWH Sales Excluding Intersystem Sales		•	·	•		
(s,000)	6,052,370	5,716,693	6,236,583	6,730,695	7,316,466	6,860,542
\$/KWH Sales	0.010243	0.010772	0.010469	0.010900	0.012017	0.009217
Less: Base Sales (\$/KWH)	0.009500	0.009500	0.009500	0.009500	0.009500	0.009500
Fuel Adjustment Per KWH	0.000743	0.001272	0.000969	0.001400	0.002517	(0.000283)
S.C. KWH Sales (000's)	1,720,540	1,687,156	1,772,324	1,908,368	2,046,018	1,908,953
(Over)/Under Recovery	1,278,361	2,146,062	1,717,382	2,671,715	5,149,827	(540,234)
Cumulative (Over)/Under Recovery-March 2001	(20,367,528)					
Cumulative (Over)/Under Recovery this Period	(19.089.167)	(16.943.105)	(19.089.167) (16.943.105) (15.225.723) (12.554.008)	(12.554.008)	(7.404.181)	(7 944 415)
•	(in the stort	(20, 10, 10)	110,000,000	(12,500,500)	(1,770-4,101)	(2) (4)

Jotes

(November 2001 also slightly differed, but when compared to the Company's rounded figure, there was no difference to note.) Staff's figures, per Staff's report, reflect calculation adjustments made to Purchased Power Costs for the aforementioned months, based on Staff's review of Purchased Power system operations reports and invoices. (1) Staff's Purchased Power figures for June 2001 and October 2001 differ from the Company's figures.

per KWH rounding differences in April and May 2001, the resultant (over)/under-recovery monthly amounts differ from the the Staff's cumulative over-recovery balances as of actual March 2002 is \$ 28,583, and the difference as of estimated It should be noted that in the Staff's report, after the adjustments to Purchased Power Costs and after the fuel cost May 2002 is \$ 28,161 (the difference between the respective cumulative differences of \$ 422 is based on rounding). Company's figures for the months of April 2001, May 2001, June 2001 and October 2001. As a result, on a S.C. jurisdictional basis and based on the Company's filed testimony, the difference between the Company's and

AUDIT EXHIBIT G PAGE 2 OF 2

Duke Power Company
S.C. Retail Comparison of Fuel Revenues & Expenses
April 2001 - May 2002

		ACTUAL	-				ESTIMATED	TED
Description	Oct-01	Nov-01	Dec-01	Jan-02	Feb-02	Mar-02	Apr-02	May-02
Fossil Fuel	48,753,647	40,480,686	42,952,260	47,128,026	42,350,967	57,010,951	43,727,000	52,104,000
Nuclear Fuel	15,065,348	13,405,781	14,031,539	15,314,218	13,399,283	11,287,717	12,976,000	13,433,000
Purchased Power (1)	1,636,105	2,820,652	1,582,002	2,498,942	2,954,792	4,343,579	3,353,000	3,353,000
Subtotal	65,455,100	56,707,119	58,565,801	64,941,186	58,705,042	72,642,247	60,056,000	68,890,000
Less: Fuel Cost Recovered through Intersystem Sales	9,669,282	5,253,624	3,959,732	6,950,059	6,079,351	10,803,530	6,015,000	6,015,000
Fuel Cost Total System KWH Sales	55,785,818	51,453,495	54,606,069	57,991,127	52,625,691	61,838,717	54,041,000	62,875,000
Excluding Intersystem Sales (000's)	5,744,684	5,612,567	5,501,707	6,395,497	6,075,867	5,648,271	5,545,243	5,619,853
\$/KWH Sales	0.009711	0.009168	0.009925	0.009067	0.008661	0.010948	0.009745	0.011188
Less: Base Sales (\$/KWH)	0.009500	0.009500	0.009500	0.009500	0.009500	0.009500	0.009500	0.009500
Fuel Adjustment Per KWH	0.000211	(0.000332)	0.000425	(0.000433)	(0.000839)	0.001448	0.000245	0.001688
S.C. KWH Sales (000's)	1,694,424	1,622,115	1,548,871	1,748,234	1,719,958	1,533,686	1,655,175	1,672,429
(Over)/Under Recovery	357,523	(538,542)	658,270	(756,985)	(1,443,045)	2,220,777	405,518	2,823,060
Cumulative (Over)/Under Recovery - 9/01 (p.1 of 2)	(7,944,415)						e de la companya de l	
Cumulative (Over)/Under Recovery this Period	(7,586,892)	(8,125,434)	(7,467,164)	(8,224,149)	(9,667,194)	(7,446,417)	(7,040,899)	(4,217,839)

(Explanation for Note (1) is on Page 1 of 2.)

REPORT OF THE UTILITIES DEPARTMENT OF THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

DOCKET NO. 2002-3-E

DUKE POWER

REPORT OF UTILITIES DEPARTMENT THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA DOCKET NO. 2002-3-E

DUKE POWER

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Exhibit No. 3	Net Generation Mix	8
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REPORT OF UTILITIES DEPARTMENT

PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

DOCKET NO. 2002-3-E

DUKE POWER REPORT OF FUEL ADJUSTMENT ANALYSIS

SCOPE OF EXAMINATION

The Commission's Utilities Department Staff analyzed the Company's procedures and practices pertaining to its fuel operation. Staff's examination consisted of the following:

- 1) Review of the Company's monthly fuel reports including:
 - a) Power Plant Performance Data Reports
 - b) Major Unit Outage Reports
 - c) Generation Mix
 - d) Generation Statistics
 - e) Retail Comparison of MWH Sales
 - f) Retail Comparison of Fuel Costs
- 2) Review of the Company's currently approved Adjustment for Fuel Costs tariff.
- 3) History of Cumulative Recovery Account.
- 4) Calculation of fuel costs to be included in the base rates for June 2002 through May 2003.

REVIEW OF COMPANY'S MONTHLY FUEL REPORTS

The Company files with this Commission monthly reports that include power plant performance data, major unit outages, generation mix, and other reports that provide the Staff pertinent data on which to evaluate the Company's fuel operating expenses.

Selected information from the Power Plant Performance Data Reports for nuclear and fossil plants is shown on **Exhibit No. 1**. It includes a listing of capacity factors and equivalent availability factors for each unit by month for the period and also includes the yearly capacity factors (1998-2001) and the lifetime (cumulative) capacity factor of the nuclear units. These factors are expressed as a percentage. This percentage figure can be a useful index when attempting to locate or identify a particular problem or unusual occurrence.

Pursuant to S.C. Code Ann. Section 58-27-865 (Supp. 2001) certain criteria are established for review of a utility's effort to minimize fuel expenses. In evaluating a utility's fuel costs under this section, it is necessary to examine and determine whether the utility has made every reasonable effort to minimize fuel costs associated with the operation of its nuclear generation system while "giving due regard to reliability of service, economical generation mix, generating experience of comparable facilities and minimization of the total cost of providing service."

The Staff's Nuclear Unit Outage Report considers each outage experienced by unit, giving the inclusive dates of the outage, days out of service, type of outage (Scheduled or Forced), the reason for the outage, and the corrective action taken. This information covers the period, April 2001 through March 2002, which is being considered in this proceeding and is shown in **Exhibit No. 2A**. Staff compiled this data through review of Company documents, NRC documents, and interviews with Company personnel. The Company's Nuclear Units performed very well during this period achieving an actual average capacity factor in excess of 93 percent.

The Staff's Fossil Unit Outage Report is a listing of plants by unit, duration of outage (greater than 100 hours), reason for down time, and corrective action taken to return the unit to service. The information specifically reviewed for this proceeding is for the months of April 2001 through March 2002 and is included in **Exhibit No. 2B**. These Units' Availability Factors were in the 95 plus percentile for the greater portion of this period.

Staff reviewed and compiled a percentage Generation Mix statistic sheet for the Company's fossil, nuclear and hydraulic plants for April 2001 through March 2002. The fossil generation ranged from a high of 47% to a low 35%. The nuclear generation ranged from a high of 65% to a low of 53%. The percentage of generation by hydro ranged from a high of 1% to a low of 0%. This information is included in **Exhibit No. 3**.

The Staff also collected and reviewed certain Generation Statistics of Major Plants for the 12 months ending March 31, 2002. This data is presented on **Exhibit No. 4**. This Exhibit shows the Company's major plants by name, type of fuel used, fuel cost in cents per kilowatt-hour to operate and total megawatt-hours generated for the period. The nuclear fueled Catawba Station was lowest in cost at 0.40 cents per kilowatt-hour. The highest amount of generation of 20,143,759 megawatt-hours was produced at the Oconee Nuclear Station.

Utilities Department **Exhibit No. 5** shows a comparison of the Company's original retail megawatt-hour (MWH) estimated sales to the actual sales for the period from April 2001 through March 2002. The original projections ranged from an over-estimate of 3.62% in April 2001 to an over-estimate of 20.58% in December 2001 with a total over-estimate of 10.55% for the period.

Utilities Department **Exhibit No. 6** shows a comparison of the Company's original fuel cost projections to the costs actually experienced for the months of April 2001 through March 2002. The original projections ranged from an under-estimate of 7.33% for August 2001 to an over-estimate of 24.59% for November 2001. The difference between actual and original projection of these fuel costs is further delineated graphically on Utilities Department **Exhibit No. 7**.

REVIEW OF THE COMPANY'S CURRENTLY APPROVED RETAIL ADJUSTMENT FOR FUEL COSTS

Staff has reviewed the Company's currently approved Retail Adjustment for Fuel Costs and found it to continue to operate properly and therefore Staff does not recommend any modifications at this time. **Exhibit No. 8** is a copy of the Company's currently approved Adjustment for Fuel Costs tariff.

HISTORY OF THE CUMULATIVE RECOVERY ACCOUNT

Exhibit No. 9 is a history of the cumulative recovery account balances from inception in 1979 to March 2002.

CALCULATION OF BASE RATE FUEL COST COMPONENT FOR JUNE 2002 THROUGH MAY 2003.

Utilizing the currently projected sales and fuel cost figures for the period June 2002 through May 2003 and including the projected over-recovery balance of \$4,217,839 in the cumulative recovery account through May 2002 (See Audit Exhibit G), the average fuel expense is estimated to be 1.0290 cents per kilowatt-hour. Applying this fuel factor to the period would create an ending period estimated \$2,043 over-collection in the cumulative recovery account.

The Commission has consistently expressed its expectation that the Company exercise all reasonable prudence and efficiency in its fuel purchasing practices and aggressively control the operation and maintenance of its production facilities to assure the lowest fuel costs possible. Also, the Commission has directed the Staff to monitor the Company's plant operations and fuel purchasing to insure that any inefficient or negligent practice is brought to the Commission's attention.

Exhibit No. 10 is a table of Projections of the Cumulative Recovery Account for various fuel base levels for the twelve month period ending May 2003. Also indicated in the table are the projected results using the current fuel factor base component of 0.9500 cents per kilowatt-hour, which is also the Company's proposed factor.

DOCKET NO. 2002-3-E UTILITIES DEPARTMENT

DUKE POWER

POWER PLANT PERFORMANCE DATA REPORT CAPACITY FACTOR (%)

LIFE YEAR	YEAR YEAR			NUC	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
3 1999	2000 2(2001 2001	2001	2001	2001	2001	2001	2001	2001	2001	2002	2002	2002
90 92	06	101	103 102	2 102	101	102	102	102	103	103	. 103	103	103
88 90	9	87	103 103	3 102	102	102	42	25	103	23	104	104	103
92 89	104	06	42 104	4 103	102	101	102	104	105	105	105	105	93
103 89	87	103	105 104	4 103	92	101	102	103	104	103	105	81	∞
81 84	85	94	102 91	1 102	101	100	83	101	102	102	103	103	73
76 84	101	06	85	101	101	100	90	86	102	102	102	102	102
78 99	88	73	21 102	2 101	101	100	86	5	8	28	102	102	103
06 88	92	6	84	89 102	100	101	88	68	94	83	104	100	83
EQUIVALENT AVAILABILITY FACTOR	LABILI	TY FACTO	œ										
MAY JUN JUL 2001 2001 2001	·	AUG SEP 2001 2001	P OCT	NOV 2001	DEC 2001	JAN 2002	FEB 2002	MAR 2002					
88	94	88	95	38	100	100	66	100	e-				
100 84	5	94	9 66	67 85	96	66	100	100					
95	86	100	91 9		•	100	4	0					
65 99	100	66	69	06 66	84	100	66	89					
10 98	100	26	6 29	95 100	100	100	8	66					
68 94	86	94	7 78	73 68	96	100	98	8					
66 66	66	66	99 10	. 100	100	100	100	100					
100 99	66	66	45 2	25 100	52	100	100	100				٠	
98 86	95	95	95 9	66 66	66	100	100	88					
66 66	87	96	6 96	66 66		100	11	. 10				ı	
90 100	66	66	83 10	100 100	66	100	100	71				EX	UTI
66 0	66	66	89	97 99	_	100	100	100				HIB	LIT
100 99	66	66	97 100		56	100	100	5				IT N	ïES
84 99	į	86	86 8	88	98	100	97	81				<i>J.</i> 1	IO. 2002 DEPAR

DUKE POWER NUCLEAR UNIT OUTAGE REPORT April 1, 2001 – March 31, 2002

										L	
REASON FOR OUTAGE AND CORRECTIVE ACTION	Electrical Generator seal oil tank level control failure.	Generator Bus disconnect switch failure.	Refueling Outage. Continuing into April 2002.	Refueling Outage.	Preventive maintenance repairs to Generator Phase Bus disconnects.	Continuation from prior outage begun 2/19/01 for leaks found on reactor vessel head control rod drive (CRD) mechanism due to small cracks in CRD nozzle welds.	Refueling Outage extended due to Reactor Vessel Head Nozzle repairs.	Continuation of Refueling Outage from 03/09/01 for a total of 38 days. 10 year In-Service-Inspection (ISI) included in outage.	Unit trip when electrical fuse failed causing SG regulating valve failure.	Personnel performing routine maintenance on Main Steam Lines pressure instrumentation isolated the wrong steam line pressure transmitter resulting in the reactor trip.	Refueling outage extended due to Rx Vessel CRD tube leak.
DAYS/TYPE*	2.70/F	3.77/F	8.83/S	35.53/S	2.50/S	23.16/S	34.02/S	16.20/S	2.85/F	2.55/F	32.31/S
DATE OF OUTAGE	05/21/01 - 05/24/01	09/12/01- 09/16/01	03/23/02 - 03/31/02	04/26/01 - 05/31/01	09/29/01 - 10/01/01	04/01/01 04/24/01	11/10/01 — 12/14/01	04/01/01-04/17/01	03/04/02 03/06/02	07/16/01 — 07/18/01	02/22/02 - 03/27/02
UNIT	OCONEE 1			OCONEE 2	-	OCONEE 3		MCGUIRE 1		MCGUIRE 2	

DOCKET NO. 2002-3-E UTILITIES DEPARTMENT EXHIBIT NO. 2A PAGE 2 OF 2

DUKE POWER NUCLEAR UNIT OUTAGE REPORT April 1, 2001 – March 31, 2002

UNIT	DATE OF OUTAGE	DAYS/TYPE*	REASON FOR OUTAGE AND CORRECTIVE ACTION
CATAWBA 1 NONE	NONE		
CATAWBA 2	CATAWBA 2 09/15/01 – 10/23/01	37.73/S	Refueling Outage extended due to miscellaneous emerging work activities as well as plant security concerns.
	12/07/01 – 12/22/01	14.38/F	Turbine tripped due to failure of a Reactor Coolant Pump motor.

TYPE* F-Forced S-Scheduled

MAJOR FOSSIL UNIT OUTAGE REPORT (100 HRS OR GREATER DURATION) APRIL 1, 2001 – MARCH 31, 2002

ACTION						leak.	sion.	eak.			
REASON FOR OUTAGE AND CORRECTIVE ACTION	Boiler inspections. Boiler inspections.	Boiler Inspections. Boiler Inspections. Boiler Overhaul.		Boiler overhaul.	First Superheater tube leak.	Generator main leads. Brushes and brush rigging /First Reheater tube leak.	Generator main leads/Boiler explosion or implosion.	Furnace wall tube leak/First superheater tube leak.	Major turbine overhaul.	Major turbine overhaul.	Minor Boiler overhaul.
HRS/TYPE*	186/S 575/S 719/S	446/S 232/S 325/S 343/F		201/S	110/F	448/F 203/F	672/F	141/F	648/S	744/S	213/S
LIND	Belews 2 Cliffside 5 Marshall 4	Cliffside 5 Marshall 3 Marshall 4 Marshall 4	NONE	NONE Marshall 3	Marshall 4	Belews 1 Belews 2	Belews 1	Marshall 3 NONE	Cliffside 5	Cliffside 5	Marshall 3
MONTH	APR 01	MAY 01	JUN 01 JUL 01	AUG 01 SEP 01		OCT 01	NOV 01	DEC 01 JAN 02	FEB 02	MAR 02	

TYPE* F -- Forced S -- Scheduled

DUKE POWER NET GENERATION MIX

APRIL 1, 2001 - MARCH 31, 2002

MONTH-YEAR		PERCENTAGE	=
	FOSSIL	NUCLEAR	<u>HYDRO</u>
April-01	45	55	0
May-01	42	58	0
June-01	42	58	0
July-01	44	56	0
August-01	47	53	0
September-01	44	56	0
October-01	40	60	0
November-01	35	65	0
December-01	39	61	0
January-02	37	63	0
February-02	37	63	0
March-02	45	54	1

DUKE POWER

GENERATION STATISTICS OF MAJOR PLANTS

APRIL 1, 2001 -MARCH 31, 2002

PLANT	TYPE FUEL	AVERAGE FUEL COST (CENTS/KWH*)	GENERATION (MWH)
Catawba	Nuclear	0.40	18,726,941
Oconee	Nuclear	0.41	20,143,759
McGuire	Nuclear	0.41	18,326,872
Marshall	Coal	1.45	13,344,810
Cliffside 5	Coal	1.61	2,460,197
Belews Creek	Coal	1.42	15,551,072

(*) The average fuel costs for coal-fired plants include oil cost for start-up and flame stabilization.

DOCKET NO. 2002-3-E UTILTIES DEPARTMENT EXHIBIT NO. 5

DUKE POWER

SOUTH CAROLINA RETAIL COMPARISON OF ESTIMATED TO ACTUAL ENERGY SALES

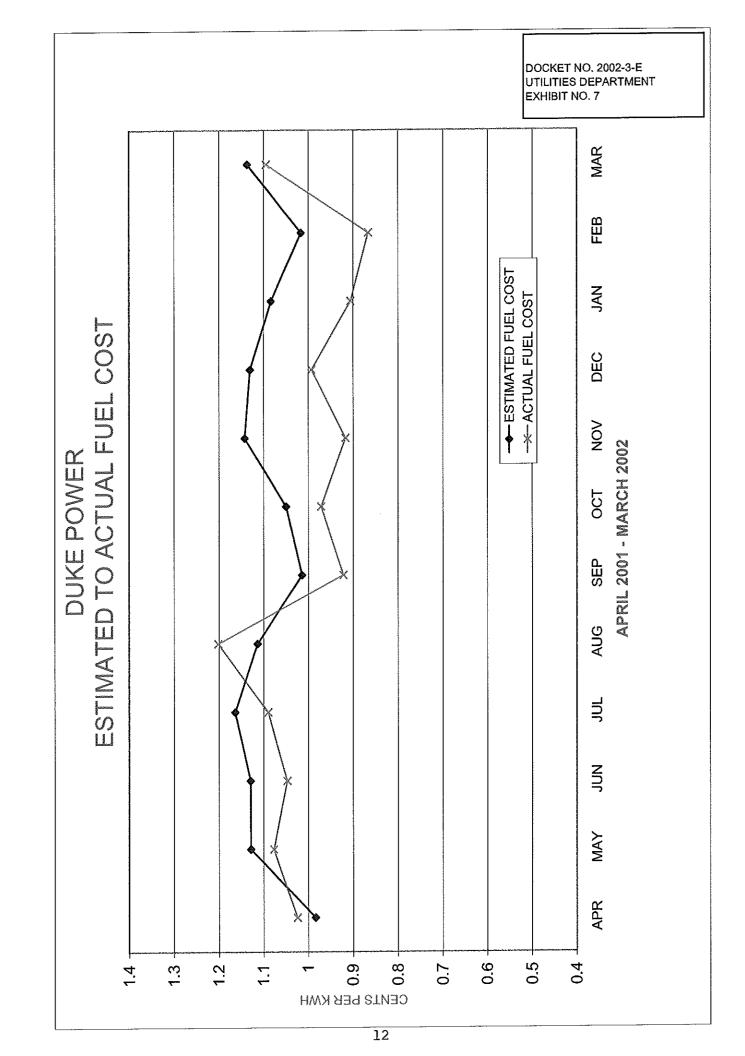
		2001 <u>APR</u>	MAY	NOS	JUL	AUG	SEP	000	NOV	DEC	2002 JAN	FEB	MAR	TOTAL
Σ.	[1] ESTIMATED SALES [MWH]	1,782,807	1,782,807 1,771,993 2,031,312 2,058,433	2,031,312	2,058,433	2,298,178	2,298,178 2,130,513	1,789,868	1,704,766 1,867,602	1,867,602	1,949,661	1,924,276 1,806,337	1,806,337	23,115,746
江	[2] ACTUAL SALES [MWH]	1,720,540	1,720,540 1,687,156 1,772,324 1,908,368	1,772,324	1,908,368	2,046,018	2,046,018 1,908,953		1,694,424 1,622,115 1,548,871 1,748,234 1,719,958 1,533,686 20,910,647	1,548,871	1,748,234	1,719,958	1,533,686	20,910,647
	[3] AMOUNT	62,267	84,837	258,988	150,065	252,160	221,560	95,444	82,651	318,731	201,427	204,318	272,651	2,205,099
10	DIFFERENCE [1]-[2]			·										
<u></u>	[4] PERCENT DIFFERENCE [3]/[2]	3.62%	5.03%	14.61%	7.86%	12.32%	11.61%	5.63%	5.10%	20.58%	11.52%	11.88%	17.78%	10.55%

DOCKET NO. 2002-3-E UTILTIES DEPARTMENT EXHIBIT NO. 6

SOUTH CAROLINA RETAIL COMPARISON OF ESTIMATED TO ACTUAL FUEL COST **DUKE POWER**

(CENTS /KWH)

MAR	1.1363	1.0948	0.9500	3.79%
FEB	1.0166	0.8661	0.9500	17.38%
2002 JAN	1.0837	0.9067	0.9500	19.52%
DEC	1.1302	0.9925	0.9500	13.87%
NOV	1.1422	0.9168	0.9500	24.59%
<u>0CT</u>	1.0496	0.9712	0.9500	8.07%
SEP	1.0143	0.9217	0.9500	10.05%
AUG	1.1136	1.2017	0.9500	-7.33%
10L	1.1637	1.0900	0.9500	%92.9
NOC	1.1289	1.0469	0.9500	7.83%
MAY	1.1282	1.0771	0.9500	4.74%
2001 APR	0.9837	1.0243	0.9500	-3.96%
	ORIGINAL PROJECTION	ACTUAL EXPERIENCE	AMOUNT IN BASE	VARIANCE FROM ACTUAL [1-2]/[2]
	Ξ	[2]	ල	4



DOCKET NO. 2002-3-E UTILITIES DEPARTMENT EXHIBIT NO. 8

Duke Power

Electricity No. 4
South Carolina Fifteenth Revised Leaf No. 50B
Superseding South Carolina Fourteenth Revised Leaf No. 50B

ADJUSTMENT FOR FUEL COSTS

APPLICABILITY

This adjustment is applicable to and is a part of the Utility's South Carolina retail electric rate schedules.

The Public Service Commission has determined that the costs of Fuel in an amount to the nearest one ten-thousandth of a cent, as determined by the following formula, will be included in the base rates to the extent determined reasonable and proper by the Commission.

 $F = \frac{E}{S} + \frac{G}{S_1}$

Where:

F = Fuel cost per kilowatt-hour included in base rate, rounded to the nearest one ten-thousandth of a cent.

E = Total Projected system Fuel costs:

(A) Fuel consumed in the Utility's own plants and the Utility's share of fuel consumed in jointly owned or leased plants. The cost of fossil fuel shall include no items other than those listed in Account 151 of the Commission's Uniform System of Accounts for Public Utilities and Licensees plus SO₂ emission allowances recorded in Account 509. The cost of nuclear fuel shall be that as shown in Account 518 excluding rental payments on leased nuclear fuel and except that, if Account 518 also contains any expense for fossil fuel which has already been included in the cost of fossil fuel, it shall be deducted from this account.

Plus

(B) Purchased power fuel costs and applicable SO₂ emission allowances such as those incurred in unit power and Limited Term power purchases where the fuel costs and applicable SO₂ emission allowances associated with energy purchased are identifiable and are identified in the billing statement.

Plus

(C) Interchange power fuel costs and applicable SO₂ emission allowances such as Short Term, Economy and other where the energy is purchased on economic dispatch basis.

Energy receipts that do not involve money payments such as Diversity energy and payback of storage energy are not defined as purchased or interchange power relative to this fuel calculation.

Minus

(D) The cost of fuel and applicable SO₂ emission allowances recovered through intersystem sales including the fuel costs and applicable SO₂ emission allowances related to economy energy sales and other energy sold on an economic dispatch basis.

Energy deliveries that do not involve billing transactions such as Diversity energy and payback of storage energy are not defined as sales relative to this fuel calculation.

S = Projected system kilowatt-hour sales excluding any intersystem sales.

G = Cumulative difference between jurisdictional fuel revenues billed and fuel expenses at the end of the month preceding the projected period utilized in E and S.

S₁ = Projected jurisdictional kilowatt-hour sales for the period covered by the fuel costs included in E.

The appropriate revenue-related tax factor is to be included in these calculations.

The fuel cost F as determined by SCPSC Order No. 2001-516 for the period June 2001 through May 2002 is 0.9500 cent per kilowatt-hour.

South Carolina Fifteenth Revised Leaf No. 50B Rate effective for bills on and after June 1, 2001 PSCSC Docket No. 2001-3-E Order No. 2001-516

DUKE POWER

HISTORY OF CUMULATIVE RECOVERY ACCOUNT

PERIOD ENDING	OVER (UNDER)\$
May 1979 - Automatic Fuel A	
November-79	1,398,442
May-80	11,322,948
November-80	4,588,331
May-81	(5,760,983)
November-81	(13,061,000)
May-82	(14,533,577)
November-82	(4,314,612)
May-83	20,915,390
November-83	14,192,297
May-84	18,245,503
November-84	14,478,363
May-85	2,551,115
November-85	(553,465)
May-86	(1,318,767)
November-86	(29,609,992)
May-87	(27,241,846)
November-87	(29,329,168)
May-88	(9,373,768)
November-88	6,544,914
May-89	6,067,739
November-89	11,372,399
May-90	15,421,968
November-90	2,939,303
May-91	17,068,483
November-91	21,265,000
May-92	21,080,856
November-92	11,553,801
May-93	16,959,555
November-93	221,606
May-94	6,609,897
November-94	1,037,659
May-95	5,088,619
November-95	(377,507)
March-97	(13,299,613)
March-98	(1,956,794)
March-99	13,044,443
March-00	26,703,441
March-01	20,367,528
March-02	(7,446,417)
HIGH VIL VII	(11 110 111)

DOCKET NO. 2002-3-E UTILITIES DEPARTMENT EXHIBIT NO. 10

DUKE POWER

PROJECTIONS OF THE CUMULATIVE RECOVERY ACCOUNT FOR THE TWELVE MONTH PERIOD ENDING MAY 2003

	FUEL BASE (Cents/Kwh)	PROJECTED CUMULATIVE OVER/(UNDER) RECOVERY (\$)
	0.9000	(00,000,700)
COMPANY PROPOSED		(28,029,720)
COMPANY PROPOSED	0.9500	(17,164,696)
	0.9750	(11,732,183)
	1.0000	(6,299,671)
	1.0100	(4,126,666)
	1.0200	(1,953,661)
	1.0250	(867,159)
	1.0280	(215,257)
	1.0289	(19,687)
	1.0290	2,043
	1.0291	23,773
	1.0300	219,344
	1.0350	1,305,846
	1.0400	2,392,349
	1.0500	4,565,354
	1,0600	6,738,358
	1.0700	8,911,363
	1.0750	9,997,866
	1.0800	11,084,368
	1.0900	13,257,373
	1.1000	· · ·
		15,430,378
	1.1500	26,295,403